CLAIM AMENDMENTS

Claims 1-90 (CANCELED)

91. (CURRENTLY AMENDED) A conjugate, which when introduced into a eukaryotic cell, produces a specific nucleic acid, said conjugate comprising a protein-nucleic acid construct that comprises:

(i) at least one promoter;

(ii) at least one segment of said specific nucleic acid produced by said conjugate comprising a sequence coding for a protein; and

(iii) an RNA polymerase cognate to said promoter (i),

wherein said RNA polymerase (iii) is covalently linked to the nucleic acid of said protein-nucleic acid construct and

wherein said segment (ii) is produced by transcription from said promoter (i) by said polymerase (iii).

92. (canceled)

93, (PREVIOUSLY PRESENTED) The conjugate of claim 91, wherein said protein-nucleic acid construct comprises a double-stranded nucleic acid.

94. (PREVIOUSLY PRESENTED) The conjugate of claim 91, wherein said protein-nucleic acid construct comprises a single-stranded nucleic acid.

95. (PREVIOUSLY PRESENTED) The conjugate of claim 91, wherein said protein-nucleic acid construct comprises a partially single-stranded nucleic acid.

96. (PREVIOUSLY PRESENTED) The conjugate of claim 91, wherein said sequence coding for a protein in said segment (ii) comprises a sequence for said RNA polymerase (iii).

97. (PREVIOUSLY PRESENTED) The conjugate of claim 91, wherein said sequence coding for a protein in said segment (ii) comprises a protein other than said RNA polymerase (iii).

98. (PREVIOUSLY PRESENTED) The conjugate of claim 91, wherein said sequence coding for a protein in said segment (ii) comprises a sequence for said RNA polymerase and a sequence for a protein other than said RNA polymerase.

99. (PREVIOUSLY PRESENTED) The conjugate of claim 91, wherein said sequence coding for a protein in said segment (ii) comprises a sequence for a second RNA polymerase that is different from said RNA polymerase (iii).

100. (PREVIOUSLY PRESENTED) The conjugate of claim 99, further comprising a second promoter for said second RNA polymerase.

101. (currently amended) The conjugate of claim 91, wherein said RNA polymerase (iii) comprises T7 RNA polymerase, T3 RNA polymerase, SP6 RNA polymerase ~~or a combination thereof~~.

102. (PREVIOUSLY PRESENTED) The conjugate of claim 100, further comprising a sequence for a protein, wherein said protein is transcribed from said second promoter.

Claim 103 (canceled)

104. (currently amended) The conjugate of claim ~~10391~~, wherein said protein-nucleic acid construct comprises at least one chemically modified nucleotide or nucleotide analog.

Claims 105-109 (canceled)

110. (CURRENTLY AMENDED) A conjugate, which when introduced into a eukaryotic cell, produces a specific nucleic acid, said conjugate comprising a protein-nucleic acid construct that comprises:

(i) at least one promoter;

(ii) at least one segment of said specific nucleic acid produced by said conjugate comprising a template for transcription; and

(iii) an RNA polymerase cognate to said promoter (i),

wherein said RNA polymerase (iii) is covalently linked to the nucleic acid of said protein-nucleic acid construct and

wherein said segment (ii) is produced by transcription from said promoter (i) by said polymerase (iii).

111. (PREVIOUSLY PRESENTED) The conjugate of claim 110, wherein said specific nucleic acid being produced comprises sense RNA, antisense RNA transcripts or a combination of both.

112. (currently amended) The conjugate of claim 111, wherein said sense RNA codes for a protein.

113. (currently amended) The conjugate of claim 112, wherein said protein ~~coding~~ coded by sense RNA codes for said RNA polymerase (iii).

114. (currently amended) The conjugate of claim 112, wherein said protein coded by~~coding~~ sense RNA codes for a protein other than said RNA polymerase (iii).

115. (currently amended) The conjugate of claim 112, wherein said protein coded by~~coding~~ sense RNA codes for said RNA polymerase (iii) and a protein other than said RNA polymerase (iii).

116. (currently amended) The conjugate of claim 112, wherein said protein ~~coding~~ coded by sense RNA comprises a sequence for a second RNA polymerase that is different from said RNA polymerase (iii).

117. (PREVIOUSLY PRESENTED) The conjugate of claim 116, further comprising a second promoter for said second RNA polymerase.

118. (PREVIOUSLY PRESENTED) The conjugate of claim 117, further comprising a sequence for a protein, wherein said protein is transcribed from said second promoter.

119. (CURRENTLY AMENDED) A conjugate, which when introduced in a eukaryotic cell, produces a specific nucleic acid, said conjugate comprising a protein-nucleic acid construct that comprises:

(i) at least one promoter;

(ii) at least one single-stranded segment comprising a sequence complementary to a primer present in said cell; and

(iii) an RNA polymerase cognate to said promoter (i),

wherein said RNA polymerase (iii) is covalently linked to the nucleic acid of said protein-nucleic acid construct and,

wherein said segment (ii) is produced by transcription from said promoter (i) by said polymerase (iii).

Claims 120-121 (canceled)

122. (PREVIOUSLY PRESENTED) The conjugate of claim 119, wherein said primer comprises RNA.

123. (PREVIOUSLY PRESENTED) The conjugate of claim 119, wherein said sequence codes for a protein.

124. (new) The conjugate of claim 91, wherein said promoter is a eukaryotic or bacteriophage promoter.

125. (new) The conjugate of claim 91, wherein said polymerase is a eukaryotic or bacteriophage RNA polymerase.

126. (new) The conjugate of claim 110, wherein said promoter is a eukaryotic or bacteriophage promoter.

127. (new) The conjugate of claim 110, wherein said polymerase is a eukaryotic or bacteriophage RNA polymerase.

128. (new) The conjugate of claim 119, wherein said promoter is a eukaryotic or bacteriophage promoter.

129. (new) The conjugate of claim 119, wherein said polymerase is a eukaryotic or bacteriophage RNA polymerase.